



6-FMX series products is a high-capacity battery of new model. With easy usage and maintenance, it is intended for service in telecom system, UPS, and security system, etal. The designed float charge life could arrive 12 years above.

Normal Voltage	12V
Capacity	170 Ah @ 10hr to 1.80V per cell @ 25°C(77°F)
Weight	Approx. 56 kg
Internal Resistance (full charged)	Approx. 3.5mΩ @ 25°C(77°F)
Maximum Discharge Current	1300A (5sec)
Self Discharge @ 25°C (77°F)	Less than 8 % after 90 days storage
Operating Temperature Range	Discharge: -40°C ~ 50°C (-40°F ~ 122°F) Charge: -20°C ~ 45°C (-4°F ~ 113°F) Storage: -20°C ~ 40°C (4°F ~ 104°F)
Recommended Operating Temperature	15°C ~ 25°C (59°F ~ 77°F)
Maximum Charging Current Limited	34A
Charging Voltage @ 25°C(77°F)	Float: 2.23 V/cell, Temps coefficient -3mV/ cell • °C Cycle: 2.35 V/cell
Container Materials	ABS
Terminal	M6
Capacity Affected by Temperature	105 % @ 40°C 85 % @ 0°C 60 % @ -20°C

Attain certificate:

TLC
(NO.0301246421120R1M)
ISO9001:2008
(NO.03009Q10083R2M)
ISO14001:2004
(NO.03010E10145R0M)
GB/T 28001-2001、
(NO.03010S10141R0M)
UL(NO.MH28466)
CE(NO.ED/2007/30042C)
Russia telecom
Conforms to the standard:
GB/T 19638.2-2005
YD/T799-2010
JISC8704-2:1999
IEC60896-2,2004

Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr
1.70V	179.8	100.2	61.7	47.5	38.3	30.5	26.1	20.9	17.4	14.6
1.75V	170.0	96.8	61.0	48.0	37.3	30.1	25.9	20.7	17.2	14.4
1.80V	160.8	95.0	60.2	47.1	37.1	29.8	25.7	20.5	17.0	14.2
1.83V	153.7	91.3	59.5	46.6	36.6	29.4	25.5	20.3	16.8	14.0
1.85V	148.4	88.1	58.9	46.0	36.4	29.2	25.3	20.1	16.6	13.9

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

F.V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr
1.70V	326.1	186.1	118.1	96.6	75.6	60.6	52.3	41.8	34.7	29.0
1.75V	312.5	182.8	117.5	95.2	74.3	59.9	51.9	41.4	34.4	28.6
1.80V	298.8	180.7	116.7	93.7	73.5	59.3	51.4	41.2	34.2	28.6
1.83V	289.2	174.6	116.0	92.8	73.0	58.8	51.0	41.0	33.8	28.3
1.85V	282.7	170.6	115.4	92.4	72.3	58.4	50.6	40.8	33.6	28.1

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